

TRENDING OF CONDUCTION TIME FOR OPTIMIZATION
OF CARDIAC RESYNCHRONIZATION THERAPY IN
CARDIAC RHYTHM MANAGEMENT SYSTEM

5 **ABSTRACT OF THE DISCLOSURE**

 A method of optimizing cardiac resynchronization therapy
delay over a patient's full range of activity for use in
operating an implantable cardiac pacing device and such a
device are disclosed. The method includes measuring selected
10 conduction time between selected sites in the heart for a
plurality of beats and logging the values on a periodic
repeating programmable basis to produce cumulative data and
constructing a current template of conduction time in relation
to one or more other sensed parameters of interest over a
15 desired range of patient activity levels. The current
template is used to derive suggested optimum pacing timing.